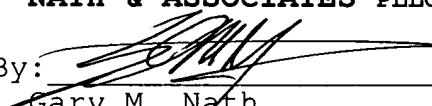


**REMARKS**

Upon entry of the above amendment, claims 1-12, 14 and 16-17 will be pending in the captioned application. The claims have been amended to incorporate the hydrates, solvates, salts, hydrates of the salts and solvates of the salts of the compounds of formula 1. Specific basis for this amendment can be found at page 5, lines 8-11.

The amendments to the claims do not introduce new matter within the meaning of 35 U.S.C. §132. Accordingly, the Examiner is respectfully requested to enter the above amendment before examination. If the Examiner has any questions regarding this submission, she is invited to telephone the undersigned attorney.

Respectfully submitted,  
**NATH & ASSOCIATES PLLC**

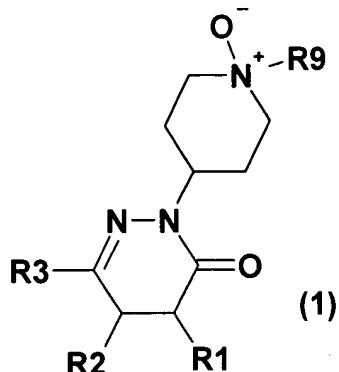
By: 

Gary M. Nath  
Registration No. 26,965  
Sheldon M. McGee  
Registration No. 50,454  
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Date: February 3, 2005  
**NATH & ASSOCIATES PLLC**  
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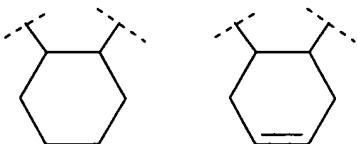
Appendix AClaim Amendments

1. (Currently amended) Compounds A compound of formula 1,

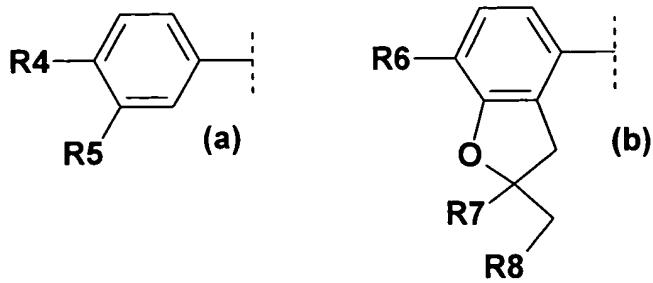


in which

R1 and R2 represent independently from one another hydrogen or 1-4C-alkyl, or R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formulae (a) or (b)



wherein

R4 is 1-4C-alkoxy or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R5 is 1-8C-alkoxy, 3-7C-cycloalkoxy, 3-7C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R6 is 1-4C-alkoxy, 3-5C-cycloalkoxy, 3-5C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R7 is 1-4C-alkyl and

R8 is hydrogen or 1-4C-alkyl,

or wherein

R7 and R8 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a spiro-linked 5-, 6- or 7-membered hydrocarbon ring, optionally interrupted by an oxygen or ~~sulphur~~ sulfur atom,

R9 is -(CH<sub>2</sub>)<sub>m</sub>-S(O)<sub>2</sub>-R10, -(CH<sub>2</sub>)<sub>n</sub>-C(O)-R11 or -(CH<sub>2</sub>)<sub>p</sub>-Z-(CH<sub>2</sub>)<sub>q</sub>-R14,

R10 is -N(R12)R13,

R11 is -N(R12)R13,

R12 and R13 are independent from each other hydrogen, 1-7C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkylmethyl, or R12 and R13 together, and with inclusion of the nitrogen atom to which they are bonded, form a 4-morpholinyl-, 1-pyrrolidinyl-, 1-piperidinyl- or a 1-hexahydroazepinyl ring,

Z represents a bond, -O-, -C(O)-, -C(O)-N(H)-, -N(H)-C(O)- or -S(O)<sub>2</sub>-,

R14 is hydrogen, hydroxyl, 1-4C-alkoxy, hydroxy-2-4C-alkoxy, 1-4C-alkoxy-1-4C-alkoxy, 1-4C-alkoxycarbonyl, aminocarbonyl, mono- or di-1-4C-alkylaminocarbonyl, 1-4C-alkylcarbonyl or 1-4C-alkylcarbonylamino,

m is an integer from 1 to 4,

n is an integer from 1 to 4,

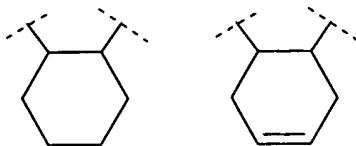
p is an integer from 1 to 4,

q is an integer from 1 to 4,

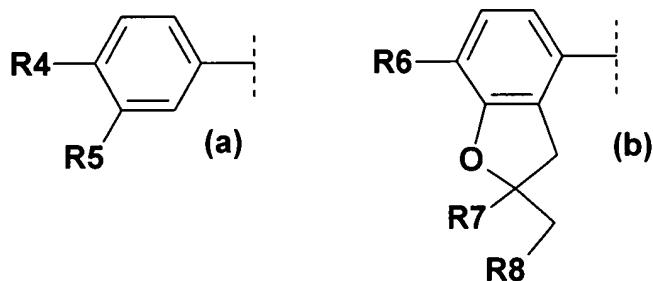
and the salts of these compounds or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

2. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which

R1 and R2 represent independently from one another hydrogen or 1-4C-alkyl, or R1 and R2 together, and with inclusion of the two carbon atoms[], to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formulae (a) or (b)



wherein

R4 is 1-4C-alkoxy or 1-2C-alkoxy which is completely or predominantly substituted by fluorine,

R5 is 1-4C-alkoxy,

R6 is 1-2C-alkoxy or 1-2C-alkoxy which is completely or predominantly substituted by fluorine,

R7 is methyl and

R8 is hydrogen,

or wherein

R7 and R8 together, and with inclusion of the two carbon atoms[], to which they are bonded, form a spiro-linked

cyclopentane,      cyclohexane,      tetrahydrofuran or  
tetrahydropyran ring,

R9 is  $-(CH_2)_m-S(O)_2-R10$ ,  $-(CH_2)_n-C(O)-R11$  or  $-(CH_2)_p-Z-(CH_2)_q-$   
R14,

R10 is  $-N(R12)R13$ ,

R11 is  $-N(R12)R13$ ,

R12 and R13 are independent from each other hydrogen or 1-  
4C-alkyl, or R12 and R13 together, and with inclusion of  
the nitrogen atom to which they are bonded, form a 4-  
morpholinyl-, 1-pyrrolidinyl-, 1-piperidinyl- or a  
1-hexahydroazepinyl ring,

Z represents a bond,  $-O-$  or  $-S(O)_2-$ ,

R14 is hydrogen, 1-4C-alkoxy, 1-4C-alkoxy-1-4C-alkoxy, 1-4C-  
alkoxycarbonyl, aminocarbonyl, mono- or di-1-4C-  
alkylaminocarbonyl or 1-4C-alkylcarbonylamino,

n is 1 or 2,

m is 1 or 2,

p is 1, 2 or 3,

q is 1 or 2,

~~and the salts of these compounds or a hydrate, solvate,~~  
salt, hydrate of a salt or solvate of a salt thereof.

3. (Currently amended) Compounds A compound of formula 1

according to claim 1, in which

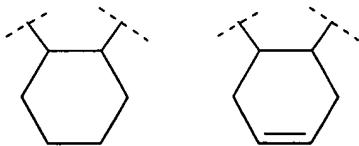
either

R1 is hydrogen and

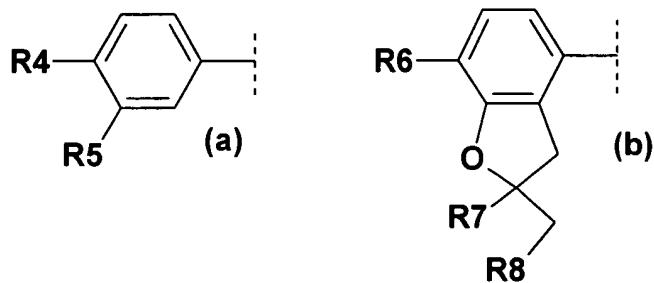
R2 is hydrogen,

or

R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formulae (a) or (b)



wherein

R4 is 1-4C-alkoxy,

R5 is 1-4C-alkoxy,

R6 is 1-2C-alkoxy,

R7 is methyl and

R8 is hydrogen,

R9 is  $-(CH_2)_m-S(O)_2-R10$ ,  $-(CH_2)_n-C(O)-R11$  or  $-(CH_2)_p-Z-(CH_2)_q-R14$ ,

R10 is  $-N(R12)R13$ ,

R11 is  $-N(R12)R13$ ,

R12 and R13 are independent from each other hydrogen or 1-4C-alkyl, or R12 and R13 together, and with inclusion of the nitrogen atom to which they are bonded, form a 4-morpholinyl-, 1-pyrrolidinyl-, 1-piperidinyl- or a 1-hexahydroazepinyl ring,

Z represents  $-O-$  or  $-S(O)_2-$ ,

R14 is hydrogen, 1-4C-alkoxy or 1-4C-alkoxy-1-4C-alkoxy,

n is 1 or 2,

m is 1 or 2,

p is 1, 2 or 3,

q is 1 or 2,

and the salts of these compounds or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

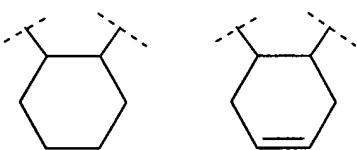
4. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which either

R1 is hydrogen and

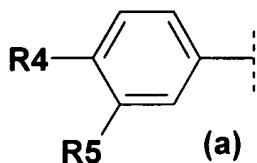
R2 is hydrogen,

or

R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formula (a)



wherein

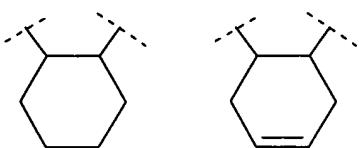
R4 is methoxy,

R5 is methoxy,

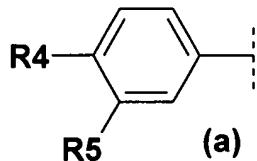
R9 is dimethylaminocarbonylmethyl, aminocarbonylmethyl,  
piperidin-1-ylcarbonylmethyl or morpholino-4-  
ylcarbonylmethyl,

~~and the salts of these compounds or a hydrate, solvate,~~  
salt, hydrate of a salt or solvate of a salt thereof.

5. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formula (a)



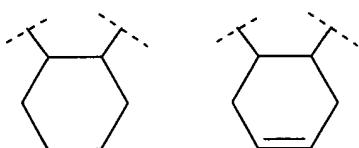
wherein

R4 is methoxy,

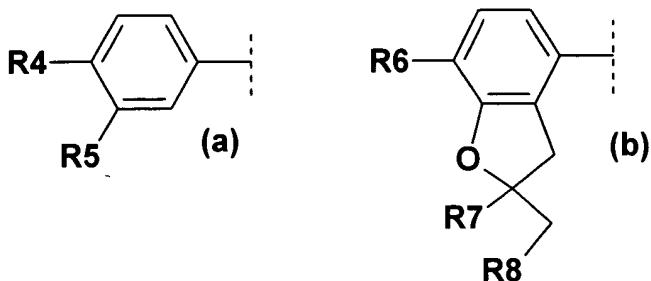
R5 is methoxy,

R9 is aminocarbonylmethyl or isopropylaminocarbonylmethyl,  
~~and the salts of these compounds or a hydrate, solvate,~~  
salt, hydrate of a salt or solvate of a salt thereof.

6. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formulae (a) or (b)



wherein

R4 is 1-4C-alkoxy or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R5 is 1-8C-alkoxy, 3-7C-cycloalkoxy, 3-7C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R6 is 1-4C-alkoxy, 3-5C-cycloalkoxy, 3-5C-cycloalkylmethoxy, or 1-4C-alkoxy which is completely or predominantly substituted by fluorine,

R7 is 1-4C-alkyl and

R8 is hydrogen or 1-4C-alkyl,

or wherein

R7 and R8 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a spiro-linked 5-, 6- or 7-membered hydrocarbon ring, optionally interrupted by an oxygen or ~~sulphur~~ sulfur atom,

R9 is -(CH<sub>2</sub>)<sub>n</sub>-C(O)-R11,

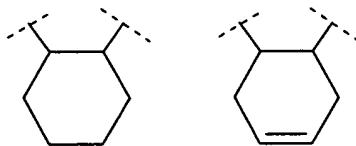
R11 is -N(R12)R13,

R12 and R13 are independent from each other hydrogen, 1-7C-alkyl, 3-7C-cycloalkyl, 3-7C-cycloalkylmethyl, or R12 and R13 together, and with inclusion of the nitrogen atom to which they are bonded, form a 4-morpholinyl-, 1-pyrrolidinyl-, 1-piperidinyl- or a 1-hexahydroazepinyl ring,

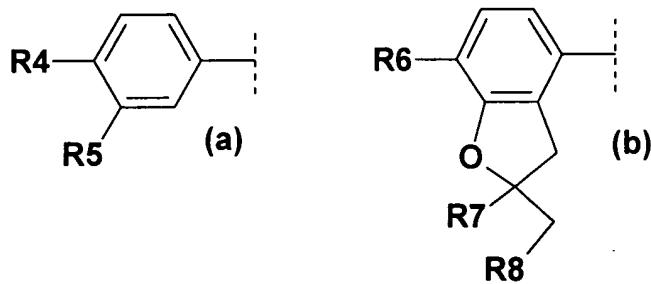
n is an integer from 1 to 4,

~~and the salts of these compounds or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.~~

7. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formulae (a) or (b)



wherein

R4 is 1-4C-alkoxy or 1-2C-alkoxy which is completely or predominantly substituted by fluorine,

R5 is 1-4C-alkoxy,

R6 is 1-2C-alkoxy or 1-2C-alkoxy which is completely or predominantly substituted by fluorine,

R7 is methyl and

R8 is hydrogen,

or wherein

R7 and R8 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a spiro-linked cyclopentane, cyclohexane, tetrahydrofuran or tetrahydropyran ring,

R9 is -(CH<sub>2</sub>)<sub>n</sub>-C(O)-R11,

R11 is -N(R12)R13,

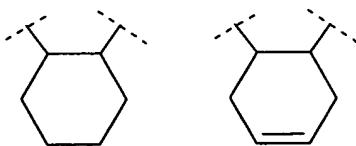
R12 and R13 are independent from each other hydrogen or 1-4C-alkyl, or R12 and R13 together, and with inclusion of the nitrogen atom to which they are bonded, form a 4-morpholinyl-, 1-pyrrolidinyl-, 1-piperidinyl- or a 1-hexahydroazepinyl ring,

n is 1 or 2,

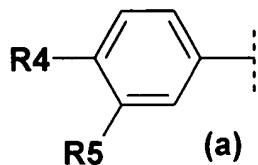
~~and the salts of these compounds or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.~~

8. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which

R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formula (a)



wherein

R4 is 1-4C-alkoxy,

R5 is 1-4C-alkoxy,

R9 is  $-(CH_2)_n-C(O)-R11$ ,

R11 is  $-N(R12)R13$ ,

R12 is hydrogen and

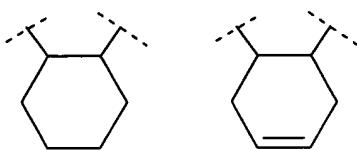
R13 is hydrogen or 1-4C-alkyl,

n is 1 or 2,

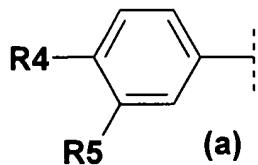
~~and the salts of these compounds or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.~~

9. (Currently amended) Compounds A compound of formula 1 according to claim 1, in which

R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



R3 represents a phenyl derivative of formula (a)



wherein

R4 is methoxy,

R5 is methoxy,

R9 is  $-(CH_2)_n-C(O)-R11$ ,

R11 is  $-N(R12)R13$ ,

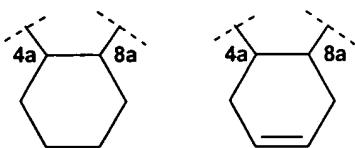
R12 is hydrogen and

R13 is hydrogen or isopropyl,

m is 1,

~~and the salts of these compounds or a hydrate, solvate,~~  
salt, hydrate of a salt or solvate of a salt thereof.

10. (Currently amended) Compounds A compound of formula 1 according to claim 1 ~~one of the claims 1 to 9~~ in which R1 and R2 together, and with inclusion of the two carbon atoms[[,]] to which they are bonded, form a group selected from



and in which the hydrogen atoms in the positions 4a and 8a are cis-configurated, or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

11. (Currently amended) Compounds A compound of formula 1 according to claim 10 in which the absolute configuration ~~(according to the rules of Cahn, Ingold and Prelog)~~ is S in the position 4a and R in the position 8a, or a hydrate, solvate, salt, hydrate of a salt or solvate of a salt thereof.

12. (Currently amended) Compounds A compound of formula 1 according to ~~one of the claims 1 to 4 and 6 to 7~~ claim 1, in which R3 represents a phenyl derivative of formula (a),

or a hydrate, solvate, salt, hydrate of a salt or solvate  
of a salt thereof.

13. (Canceled)

14. (Currently amended) ~~Pharmaceutical compositions~~  
~~containing A pharmaceutical composition comprising one or~~  
~~more compounds of formula 1 according to claim 1, or a~~  
~~pharmaceutically acceptable hydrate, solvate, salt, hydrate~~  
~~of a salt or solvate of a salt thereof, together with the~~  
~~usual a pharmaceutical auxiliaries and/or carrier materials~~  
~~auxiliary and/or excipient.~~

15. (Canceled)

16. (Currently amended) A method for treating an illness  
treatable by the administration of a PDE4 inhibitor in a  
patient comprising administering to said patient in need  
thereof a therapeutically effective amount of a compound of  
formula 1 as claimed in claim 1, or a pharmaceutically  
acceptable hydrate, solvate, salt, hydrate of a salt or  
solvate of a salt thereof.

17. (Currently amended) A method for treating an airway  
~~disorders~~ disorder in a patient comprising administering to  
said patient in need thereof a therapeutically effective  
amount of a compound of formula 1 as claimed in claim 1, or  
a pharmaceutically acceptable hydrate, solvate, salt,  
hydrate of a salt or solvate of a salt thereof.

10/523110

DT05 Rec'd PCT/PTO 03 FEB 2005

USSN Not yet assigned

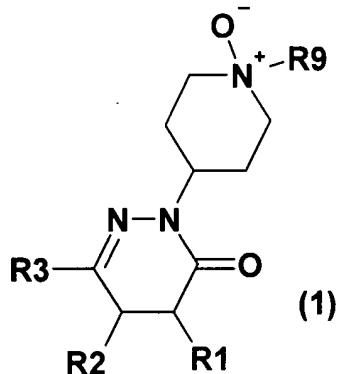
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Page 1 of 1

Appendix B

Abstract of the Disclosure

The compounds of a certain formula (1),



in which the given substituents have the meanings as given in the description, are novel effective PDE4 inhibitors.